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AMENDMENT TO CLAIMS

1. (Currently Amended) A dynamic imaging server comprising:

a parser <u>that receives an image request from a remote location over a communication</u> <u>network and interprets the image request into a set of individual operation commands defined</u> <u>as a job, wherein the job represents a sequential collection of the individual operation</u> <u>commands parsed by the</u> parser from data <u>contained in the image request</u>;

a job processor that receives [parsed commands] <u>the job</u> from the parser and <u>sequentially</u> executes the <u>individual</u> commands [in the form of a] <u>contained in the</u> job to perform a plurality of <u>image related</u> operations;

at least one image processing engine that performs an <u>image related</u> operation in response to a command received by the job processor [from the parser] to <u>generate processed</u> [process] image data ; and

a formatter that receives the processed image data and formats the processed image data into a desired <u>image</u> format <u>to produce a result image that is transferred to the remote</u> <u>location over the communication network in satisfaction of the image request</u>;

<u>wherein the dynamic imaging server is connectable to a local storage device that is</u> <u>coupled to a synchronization engine, wherein the synchronization engine synchronizes transfer</u> <u>of files from remote sources over the communication network to the local storage device.</u>

2. (Currently Amended) A dynamic imaging server as claimed in claim 1, further comprising a script execution engine, capable of executing code during execution of the job by the job processor<u>, that retrieves information from remote locations via a communication network</u> <u>in response to commands executed by the job processor, wherein the information is utilized to</u> <u>perform an image operation</u> .

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3. (Currently Amended) A dynamic imaging system comprising:

a local storage device capable of storing a plurality of digital images files;

a dynamic imaging server coupled to [a] the local storage device, wherein the dynamic imaging server comprises: a parser that receives an image request and interprets the image request into a set of individual operation commands defined as a job, wherein the job represents a sequential collection of the individual operation commands parsed by the parser from data contained in the image request; a job processor that receives the job from the parser and sequentially executes the individual commands contained in the job to perform a plurality of image related operations; at least one image processing engine that performs an image related operation in response to a command received by the job processor to generate processed image data ; and a formatter that receives the processed image data and formats the processed image data into a desired image format to produce a result image;

a relational database accessible by the dynamic imaging server, wherein the dynamic imaging server queries the relational database to determine a location and availability of an asset required by the dynamic imaging server to produce the result image; [and]

a network server coupled to the dynamic imaging server, wherein the network server retrieves assets, not located in the local storage device coupled to the dynamic imaging server, from other sources via a communication network; and

a synchronization engine coupled to the storage device that synchronizes transfer of files from the other sources to the local storage device.

4. (Canceled)

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5. (Currently Amended) A dynamic imaging system as claimed in claim [[4]] 3, wherein the dynamic imaging server further comprises a script execution engine capable of executing code during execution of the job by the job processor.

6. (Canceled)

7. (Currently Amended) A dynamic imaging system as claimed in claim 3, further comprising a request cache that receives image requests and determines whether the image request [should be] corresponds to a previous request that can be satisfied from an image file previously stored in the local storage device or whether the image request corresponds to a new image request to be forwarded to the dynamic imaging server for processing.

8. (Currently Amended) A dynamic imaging system comprising:

at least one cluster, said cluster including [[:]] at least one cluster master device [[;]] and at least one cluster slave device;

wherein the cluster master device comprises: [a storage device; a dynamic imaging server coupled to a storage device; a database accessible by the dynamic imaging server; a network server;] a local storage device capable of storing a plurality of digital images; a dynamic imaging server coupled to the local storage device, wherein the dynamic imaging server comprises: a parser that receives a request and interprets the request into a set of individual operation commands defined as a job, wherein the job represents a sequential collection of the individual operation commands parsed by the parser from data contained in the request ; a job processor that receives the job from the parser and sequentially executes the individual commands contained in the job to perform a plurality of image related operations; at least one image processing engine that performs an image related operation in response to a

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command received by the job processor to generate processed image data ; and a formatter that receives the processed image data and formats the processed image data into a desired image format to produce a result image; a relational database accessible by the dynamic imaging server, wherein the dynamic imaging server queries the relational database to determine a location and availability of an asset required by the dynamic imaging server to produce the result image; a network server coupled to the dynamic imaging server, wherein the network server retrieves assets, not located in the local storage device coupled to the dynamic imaging server, from other sources via a communication network; and a cluster engine;

wherein the cluster slave device includes: [a storage device; a dynamic imaging server coupled to a storage device; and a network server;] a local storage device capable of storing a plurality of digital images; a dynamic imaging server coupled to the local storage device, wherein the dynamic imaging server comprises: a parser that receives a request and interprets the request into a set of individual operation commands defined as a job, wherein the job represents a sequential collection of the individual operation commands parsed by the parser from data contained in the request ; a job processor that receives the job from the parser and sequentially executes the individual commands contained in the job to perform a plurality of image related operations; at least one image processing engine that performs an image related operation in response to a command received by the job processor to generate processed image data ; and a formatter that receives the processed image data and formats the processed image data into a desired image format to produce a result image; a relational database accessible by the dynamic imaging server, wherein the dynamic imaging server queries the relational database to determine a location and availability of an asset required by the dynamic imaging server to produce the result image; a network server coupled to the dynamic imaging server, wherein the network server retrieves assets, not located in the local

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storage device coupled to the dynamic imaging server, from other sources via a communication network; and

wherein the cluster engine manages a flow of image requests between the cluster master and the cluster slave.

9. (Canceled)

10. (Currently Amended) A dynamic imaging system as claimed in claim [[9]] 8, wherein the dynamic imaging server of the cluster master and the dynamic imaging server of the cluster slave each further comprise a script execution engine capable of executing code during execution of the job

11. (Currently Amended) The dynamic imaging system as claimed in claim 8, further comprising a plurality of [said] clusters.

12. (Canceled)

13. (Currently Amended) A computer implemented method of providing dynamic imaging, said method comprising:

providing at least one dynamic imaging cluster including at least one cluster master and at least one cluster slave;

analyzing an image request with a cluster engine to select either the cluster master or the cluster slave to process the image request; and

processing the image request with either the selected cluster master or the selected cluster slave;

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wherein the processing of the image request includes. parsing the image request into a job comprising a plurality of commands, wherein the job represents a sequential collection of individual operation commands based on data contained in the image request; processing the job to sequentially execute the individual commands contained in the job to perform a plurality of image operations, wherein the image operations generate processed image data that is responsive to the request; and formatting the processed image data into a result image that is transferred to a remote location via a communication network;

wherein the cluster master includes: a storage device; a dynamic imaging server coupled to the storage device; a database accessible by the dynamic imaging server; and a network server; and

wherein the cluster slave includes: a storage device; a dynamic imaging server coupled to a storage device; and a network server;

wherein the cluster engine manages a flow of image requests between the cluster master and the cluster slave.

14. (Canceled)

15. (Currently Amended) A computer implemented method of providing dynamic imaging, [said method comprising] as claimed in claim 13, wherein a plurality of dynamic imaging clusters is provided, and the method further includes:

[providing a plurality of dynamic imaging clusters, wherein each dynamic image processing cluster includes at least one cluster master and at least one cluster slave;]

analyzing an image request with a cluster engine to select which of the plurality of dynamic image processing clusters will process the image request;

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forwarding the <u>image</u> request to the selected dynamic image processing cluster, and

processing the image request with the selected dynamic imaging processing cluster.

16. (Canceled)

17. (Canceled)

18. (Currently Amended) A <u>computer implem</u>ented method of providing dynamic

imaging as claimed in claim 15, wherein at last one of the dynamic imaging clusters comprises a

user cluster and at least one of the dynamic imaging clusters comprises a third party cluster,

and wherein the third party cluster is utilized to provide overflow capacity processing for the user

cluster.

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